



SEQUENCE LISTING

<110> MARINE BIOTECHNOLOGY INSTITUTE CO., LTD.

<120> NOVEL CHEMICAL SUBSTANCE HAVING MORPHOGENETIC AND GROWTH-ACCELERATING ACTIVITIES

<130> PH-1841-PCT

<140> US/10/767, 260

<141> 2004-01-30

<150> JP2002/203608

<151> 2002-07-12

<160> 4

<170> PatentIn Ver. 2.1

<210> 1

<211> 190

<212> DNA

<213> *Tenacibaculum* sp.

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<210> 2

<211> 189

<212> DNA

<213> Unknown

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<223> DNA nucleotide sequence of V3 region in 16S rRNA of YM-2-23 strain being identified as Cytophaga-Flavobacterium-Bacteriodes complex

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CGCGTGCAGGG AAGAAGGCC C TATGGGTCTG AAACCGCTTT TATAACGGGAA GAAACCACCC 120
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<212> DNA

<213> Tenacibaculum sp.

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CCAGACAAAA GTATTTCCA ACAAAACCACA GAATATAATT ACGAAACGTT AGCTACACGT 240
ATGCGTGAGT TAGCGTATCT TAATAAAGGA ATCACGATTA CGTTAACAGA TAAGCGTAAT 300
AAAGATGATG AAGGAAATT TATTGCTGAA ACTTTCCACA GTAACGAAGG ATTATCTGAA 360
TTTGTAAAT ATTTAGATAG TACTCGTACT CCTGTTATTG AGCATGTAAT TTCAATGGAA 420
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AATTACATT CTTATGTTAA TAACATTAAT ACTCACGAAG GAGGAACACA TTTATCAGGA 540

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GTTACTTCTG CAGTATCGCA AGCTGTAGCA GAAATGTTAA CTGATTATTT AGAGGAAAAT 780
CCTAATGATG CTAAAACGAT TGTACAAAAA GTAATTCTTG CAGCTCAAGC GCGTCACGCA 840
GCTCGTAAAG CAAGAGAAAT GGTGCAACGT AAAACAGTAA TGAGTATTGG AGGTTTACCT 900
GGTAAACTAT CTGATTGTT TGAAACTGAT CCAGCAGTTT GTGAAATTCTT CTTAGTCGAG 960
GGAGATTCCG CAGGTGGAAC TGCAAAACAA GGTCGTGATC GTAATTCCA AGCAATTAA 1020
CCCTTACGTG GTAAGATTCT TAACGTAGAA AAAGCGATGC AGCATAAAAGT TTTGAGAAT 1080
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<210> 4

<211> 1173

<212> DNA

<213> Unknown

<220>

<223> DNA nucleotide sequence of gyrB gene of YM-2-23 strain being identified as
Cytophaga-Flavobacterium-Bacteriodes complex

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CTTTATCCCG TAAAAAGTGT TGGGGAGACC GATGAAACTG GAACCATTGT TACCTTCATA 180
CCAGATGATT CAATCTTAC CCAAACAACA GAGTATAGTT ATGAGACCCCT TGCCAACAGA 240
ATGCGTGAGC TTTCGTTCTT GAACAAAGGG GTTACCATTA GCATTACCGA CAAAAGAGTA 300
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TTTGTAAAGT TCTTGGATGG TACCCGTGAA CCTTTGATTG AAGGGGTTAT CGCGATGGAA 420
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GAGGAAATAA AGAATATTAA TACGGCCCTA GGGGTTACTA TTGGAACGGA AGAAGATACT 1140
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1173